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Suggestions for Treating Apple Rust and Scab.

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These diseases, so familiar to apple growers are produced by fungi that attack either the foliage or fruit or both. They give the foliage a spotted sickly appearance and cause the fruit to become rough and knotted. The fruit is thereby rendered unsalable, and the vitality of the tree is greatly reduced. The same fungus that produces apple rust, grows upon cedar trees producing what is known as "cedar apples". Hence the first step towards controlling this pest should be the removal of all cedar trees from the vicinity of the apple orchard. If for any reason the cedar trees cannot be destroyed they should by all means be kept free from cedar apples.

The second step and one that will control not only the rust but the scab, consists in the proper use of some fungicide. For this purpose probably nothing is better than Bordeaux Mixture (For the preparation of Bordeau mixture see circular No.2).It is imporant that apple trees be sprayed once before the buds open, but whether they have or have not already been sprayed the fungicide should be applied as soon as possible after the blossoms fall. Under no circumstances should trees be sprayed while in bloom as the fungicide is liable to interfere with pollination and fertilization, and if a poison is mixed with the spray it will be very destructive to bees. It is especially important that Paris green be mixed with the Bordeax for this spraying in order to destroy the codling moth For this purpose 4 ounces of good Paris green in each barrel of Bordeaux mixture is sufficient. The spraying should not be delayed any longer than possible after the blossoms have fallen, and this application should be followed by several sprayings at intervals of ten days or two weeks, the applications must be thorough and it should be remembered that the only use of Bordeaux mixture is to prevent the fungus from getting a foot-hold It will not restore diseased fruit or diseased foliage.

No 10